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EFEK ANALGESIK FRAKSI ETANOL DARI EKSTRAK ETANOL DAUN MINDI (*Melia azedarach* L.) PADA MENCIT JANTAN

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ABSTRACT

Indonesia has a lot of traditional medicines, which people used long time ago, one of these is mindi (*Melia azedarach* L.). It have been known that ethanolic extract of mindi leaves has analgesic effect greater than paracetamol at dose 6.44 mg/kgBW and 12.89 mg/kgBW. This research conducted to find out the effectiveness ethanolic fraction of ethanolic extract as an analgesic. The research was carried out in completely random one way design, used 35 mice which have been fasted for 24 hours. The mice were divided into 7 groups i.e. negative control, positive control and 5 testing groups (in different doses). Fifteen minutes after injected with the fractions of mindi, the mice were given acetic acid 0.5% intraperitoneally injection. The cumulative writhe reflects were calculated in every 5 minutes for one hour and were counted the protection percentage. Results showed that the ethanol fractions doses 12,88-103,04 mg/kgBW of mindi leaves have the analgesic effect in mice and gave protection percentage 30.93-71.61%. The chromatograms of TLC indicated that the fraction contain flavonoids and phenolic compounds.

Key words: ethanol fraction of mindi, analgesic effect, TLC profile